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Tuesday, December 13, 2005

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Date

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Witnessed in my presence this day of

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公開実用 昭和57-197470



(4.700円) 実用新案登録願(2)登録番号ナム
スパナ

昭和 57年 6月 11 日

特許庁長官殿

1. 考案の名称

ス パ ナ

2. 考案者

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電話 533-7811番(代)

197470

806

検査
方書

✓ 56 084946

明 演 書

1. 考案の名称

ス バ ナ

2. 實用新案登録請求の範囲

先端部に下あご(1)と中間部に上側のストップ(2)とを有するハンドル部材(3)に、腋下あご(1)と協動する先端部の上あご(4)と後方の端部ペランスウェイト(5)とを有する部材(6)を重合してピン(7)で直に軸動自在に軸支して成るスパナ

3. 考案の詳細な説明

本考案はボルトナット等の蝶子のしめつけに使用される片口式のスパナに関する。

従来この種スパナとして連続して操作し得る型式のものは知られるが、この場合その戻し操作に備えてラチエット駆を使用する式を一般とするもので、かかるものではその構造が複雑で高価となり勝ちである不都合を伴う。

本考案はかかる不都合のないスパナを得ることをその目的としたもので、先端部に下あご(1)と中間部に上側のストップ(2)とを有するハンドル

(1)

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部材(3)に、該下あご(1)と協動する先端部の上あご(4)と後方の端部のバランスウェイト(5)とを有する部材(6)を重合してピン(7)で互に傾動自在に軸支して成る。

図示のものでは該ハンドル部材(3)に先端側のスリット(8)を形成させ、該部材(6)をその根部側でこれに嵌合して該嵌合部においてそれと互に軸支されるもので、該ピン(7)は例えばボルトナットから成り、この場合該ピン(7)は各部材(3)(6)に形成される各ピン孔(7a)(7b)内を挿通するが、その一方のピン孔(7b)はこれを前後方向の多段に連続する型式とし、かくて下あご(1)と上あご(4)との間の口徑が自在に加減されて適用さるべき蝶子の大小に自在に適合し得るようにした。その作動を説明するに、例えば第1図及び第3図示の通りであり、即ち下あご(1)と上あご(4)との間隔において蝶子に嵌合させた状態からハンドル部材(3)を図面で下方と次で上方とに交互に傾動させるもので、かくて該蝶子の一方の回動を得ることが出来る。更に詳述すれば、該

ハンドル部材(3)の下方への傾動に際してはストップ(2)を介して部材(6)がこれに伴われて両部材(3)(6)が共に一方に回動すべく作用すると共に、次で該部材(3)の上方への傾動即ち戻し操作に際しては該部材(6)はバランススウェイト(5)の作用で一旦当初の位置に戻されて第5図示のように両あご(1)(4)の開閉が開くと共に次で多少とも遅れて戻し側となり、かくて蝶子は一方肉にのみ順次に回動される。

このように本考案によるとときは単にハンドル部材(3)を交互に一方と他方とに傾動するのみで、蝶子に一方の回動を与え得られるもので操作を簡単且容易にすることが出来、その構成は単に下あご(1)側の部材(3)と上あご(4)側の部材(6)とを互に重合してピン(7)で軸支するもので、ラチエット等を使用する式のものに比し極めて簡単で廉価に得られる等の効果を有する。

4. 図面の簡単な説明

第1図は本案スパナの側面図、第2図はその上面図、第3図はその戻し操作時の側面図、第

4図はその分解した側面図である。

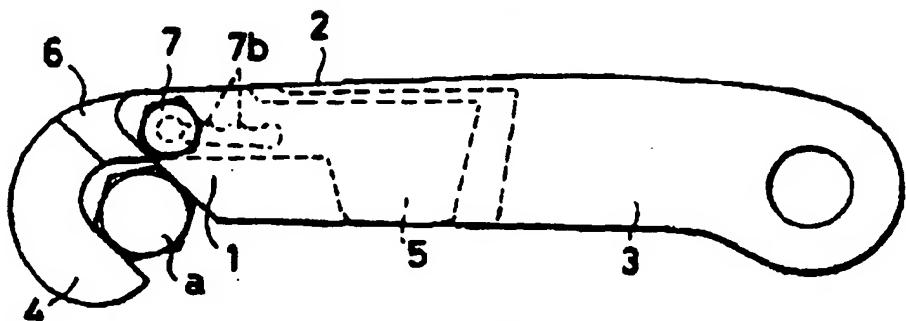
- (1) … … 下 あ こ
- (2) … … ス ト ッ ベ
- (3) … … ハ ン ド ル 部 材
- (4) … … 上 あ こ
- (5) … … ベ ラ ン ス ウ エ イ ト
- (6) … … 部 材
- (7) … … ピ ン

実用新案登録出願人 本田技研工業株式会社

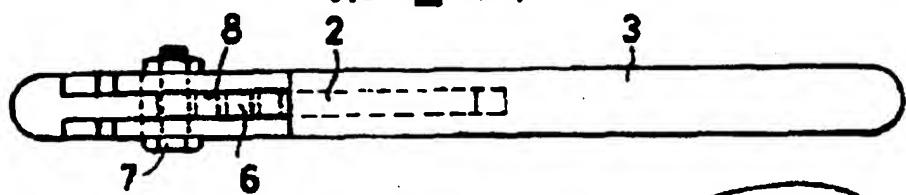
代 理 人 北 村 広 一 (印)

外2名

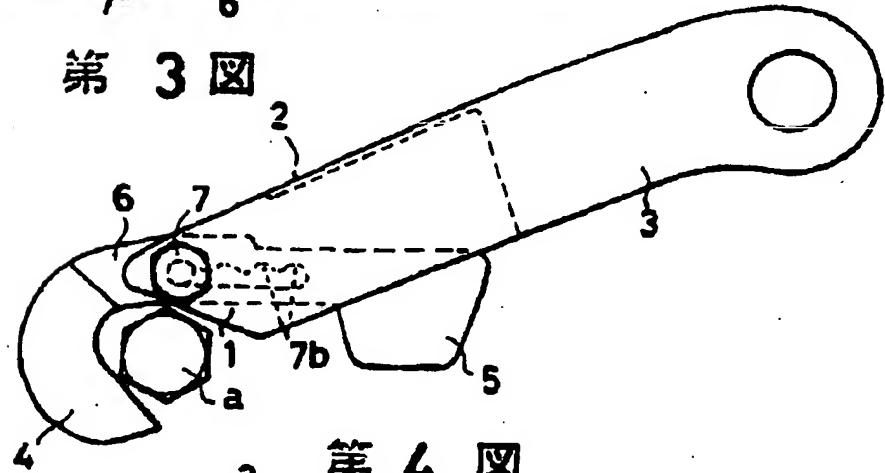
第1図



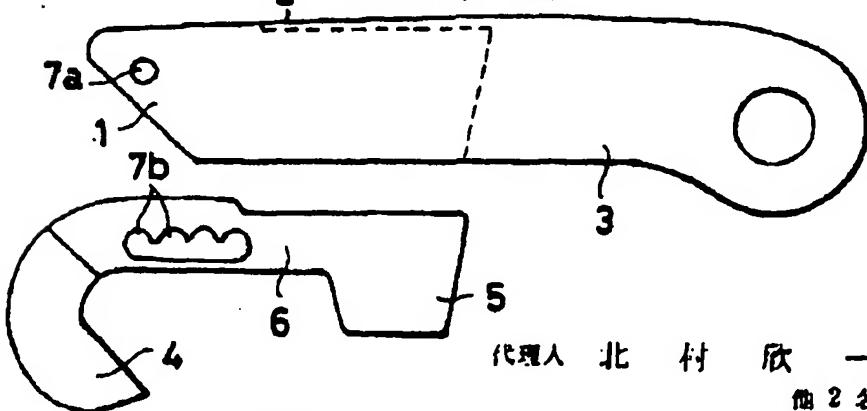
第2図



第3図



第4図



代理人 北村欣一 811
曲2名

197470

公開実用 昭和57- 197470

5. 添付書類の目録

✓ (1) 明細書	1	送付通達
✓ (2) 図面	1	
(3) 補遺書	1	
✓ (4) 契約状	1	

6. 前記以外の考案者、実用新案登録出願人または代理人

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Application for Utility Model Registration (2) no suffixing number

[seal] Suitable

June 11, 1981

TO: Commissioner of the Japan Patent Office

1. Title of the Device

Spanner

2. Creator of Device

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(And two others)

Telephone: 503-7811 197470

[seal] Japan Patent Office. June 11 [remainder illegible]

806

[seal] Formality check

[seal, illegible, perhaps "Honma"]

✓ 56 084946

Specification

1. Title of the Device

Spanner

2. Scope of Utility Model Registration Claims

A spanner, composed by overlapping a member (6) that has an upper jaw (4) of a tip, which moves in cooperation with a lower jaw (1) on the tip, and a rear end balance weight (5), and supporting these on a shaft with a pin (7) so that these can tilt freely towards one another, on a handle member (3) that has said lower jaw (1) on the tip and a stopper (2) on the upper side of the middle of the device.

3. Detailed Description of the Device

The present device relates to a single head spanner that is used for the fastening of screws such as bolt nuts.

To date, a type of spanner that can be operated continuously has been known as this kind of spanner, but in this case a style that uses a ratchet to handle the return operation thereof has been most common, and the manufacture of such spanners thus involves the disadvantages that it tends to be complicated and expensive.

The present device takes as its purpose the obtaining of a spanner that does not have such disadvantages, and is composed by overlapping a member (6) that has an upper jaw (4) of a tip, which moves in cooperation with a lower jaw (1) on the tip, and a rear end balance weight (5), and supporting these on a shaft with a pin (7) so that these can tilt freely towards one another, on a handle member (3) that has said lower jaw (1) on the tip and a stopper (2) on the upper side of the middle of the device.

In the item illustrated in the figures, a slit (8) on the tip side is formed on said handle member (3), and said member (6) is fit to this at the [illegible] side thereof and supported on a shaft together with the latter at said fitting part. Said pin (7) is composed for example of a bolt nut, and in this case said pin (7) is inserted all the way through the inside of the respective pin holes (7a) and (7b) that are formed on the respective members (3) and (6), but one of these pin holes (7b) is made into the type that makes this continuous in multiple stages in a front-back direction, and it is thus configured such that the bore between the lower jaw (1) and the upper jaw (4) can be freely increased and decreased and it can be adjusted freely to the size of the screw a to be applied. To describe the action thereof, it is as shown for example in Figure 1 and Figure 3, that is, the handle member is tilted alternately downward and next upward in the figures from a state in which the screw A is fit into the gap between the lower jaw (1) and the upper jaw (2), and in this manner it is possible to obtain the circular movement in one direction of said screw a. To describe it more specifically, during the tilting of said handle member (3) downwards the member (6) accompanies this through the stopper (2) and it acts such that both members (3) and (6) move circularly together in one direction, and next during the tilting of said member (3) upwards, that is, during the return operation, said member (6) is left in the initial position by the action of the balance weight (5), and as shown in Figure 3 a gap opens up between the two jaws (1) and (4), and this next becomes the

return side after a greater or lesser delay, and in this manner the screw a is successively moved circularly in only one direction.

In this manner, simply by tilting the handle member (3) alternately to one side and to the other side according to this device, circular movement in one direction can be imparted to the screw a, and it is possible to make the operation simple and easy, and the composition thereof involves simply overlapping to one another the member (3) on the lower jaw (1) side and the member (6) on the upper jaw (4) side and supporting them on a shaft with a pin (7), and this device thus has the effect that it can be obtained easily and inexpensively compared with the type of spanner that uses a ratchet, etc.

4. Brief Description of the Diagrams

Figure 1 is a lateral view of this spanner. Figure 2 is an upper view thereof. Figure 3 is a lateral view during the return operation thereof. Figure 4 is a decomposed lateral view thereof.

- (1) ... Lower jaw
- (2) ... Stopper
- (3) ... Handle member
- (4) ... Upper jaw
- (5) ... Balance weight
- (6) ... Member
- (7) ... Pin

Applicant for Utility Model Registration Honda Motor Company, Ltd.

Agent Kin'ichi Kitamura, Patent Attorney [seal illegible]
(And two others)

Figure 1

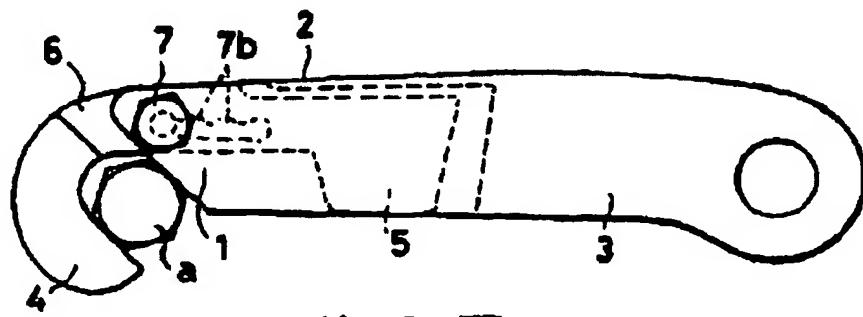


Figure 2

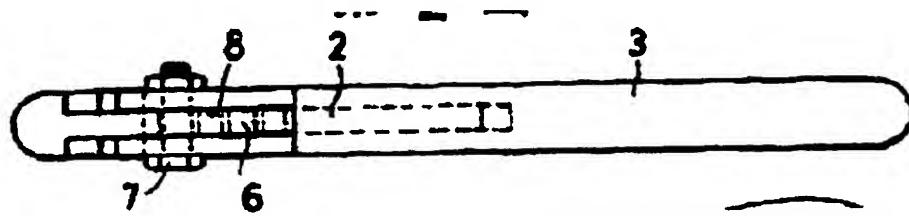


Figure 3

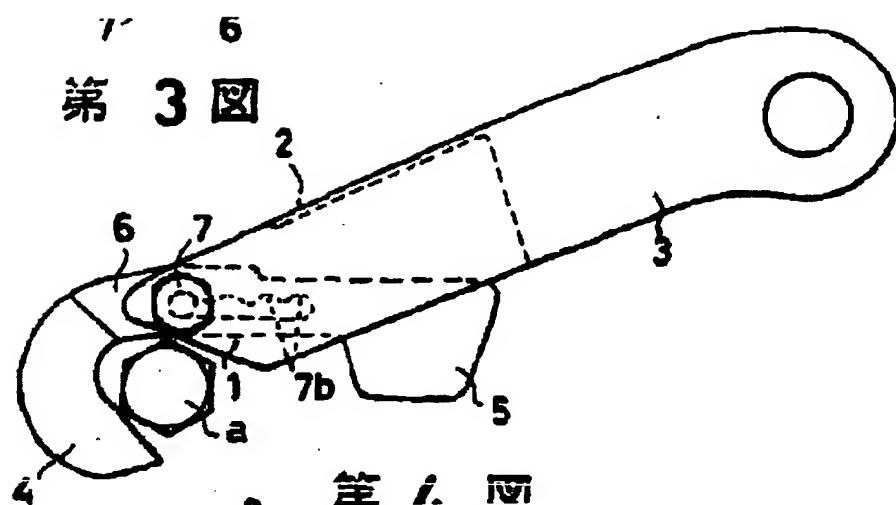
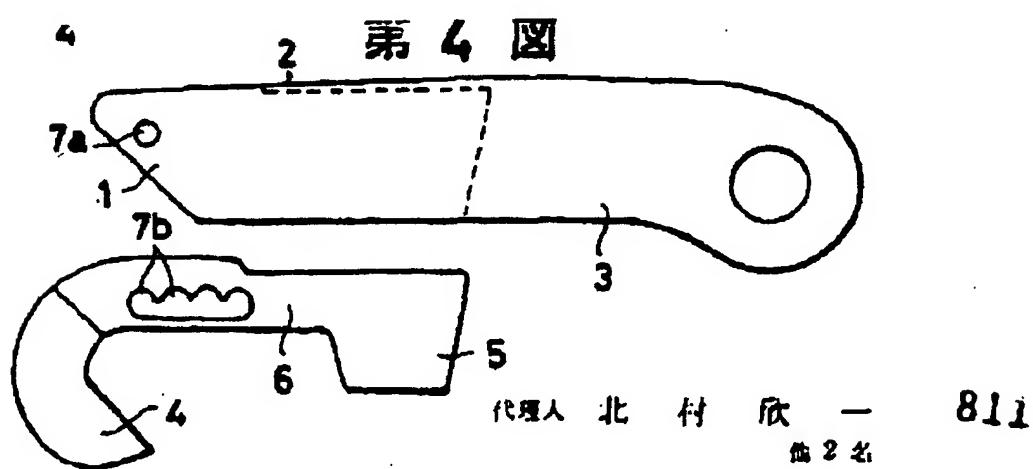


Figure 4



Kin'ichi Kitamura, Patent Attorney
And two others

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5. Catalog of Attached Documents

✓	(1) Specification	1 copy
✓	(2) Diagrams	1 copy
	(3) Copy of the Application	1 copy
✓	(4) Power of Attorney	1 copy

6. Creators of Device, Applicants for Utility Model Registration or Agents Other Than Those Noted Above

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(2) Applicant for Utility Model Device Registration

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